

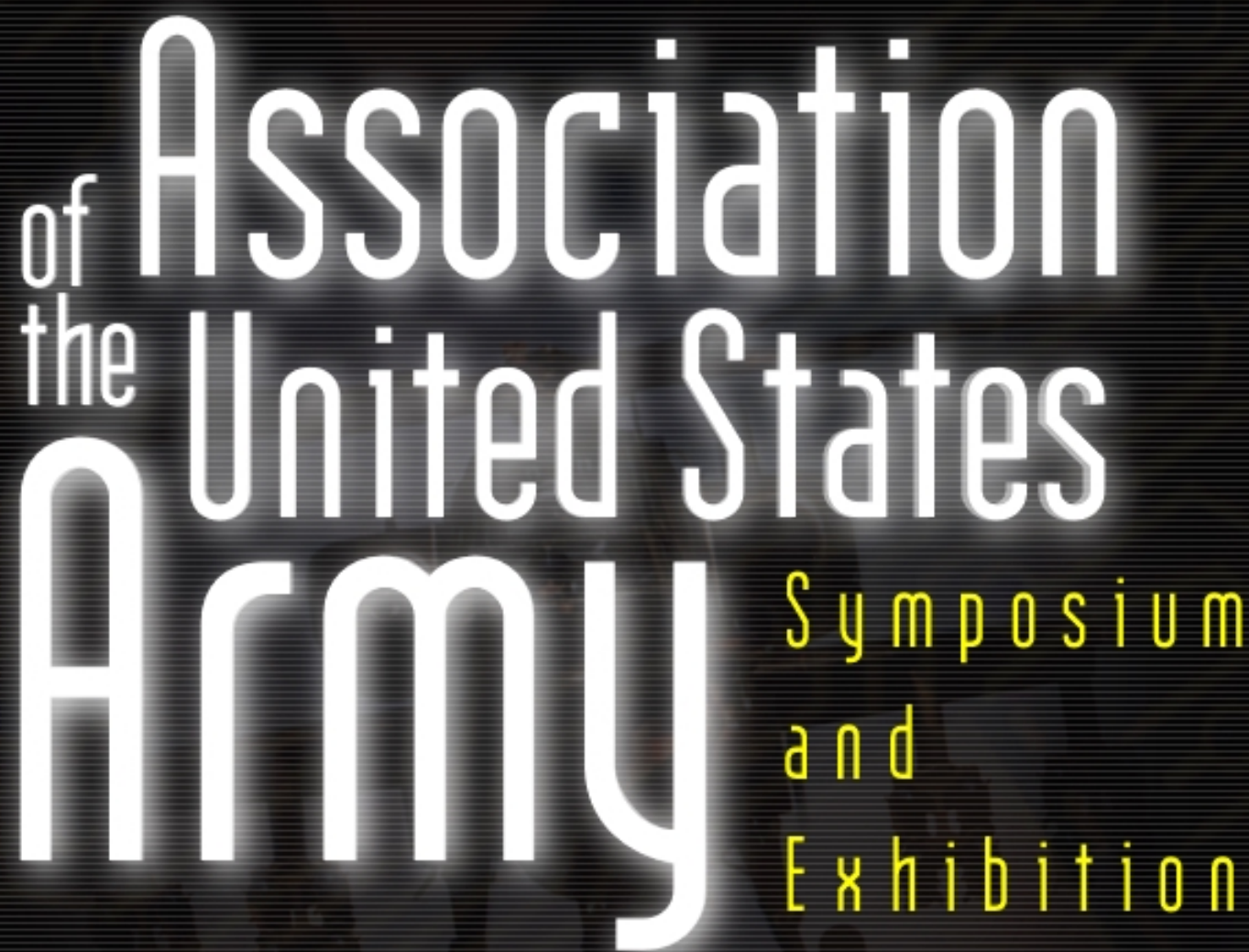


U.S. Army Simulation, Training and Instrumentation Command



BG William L. Bond

Commanding General



of Association the United States Army

Symposium
and
Exhibition

INTEGRATED TRAINING AND SIMULATION



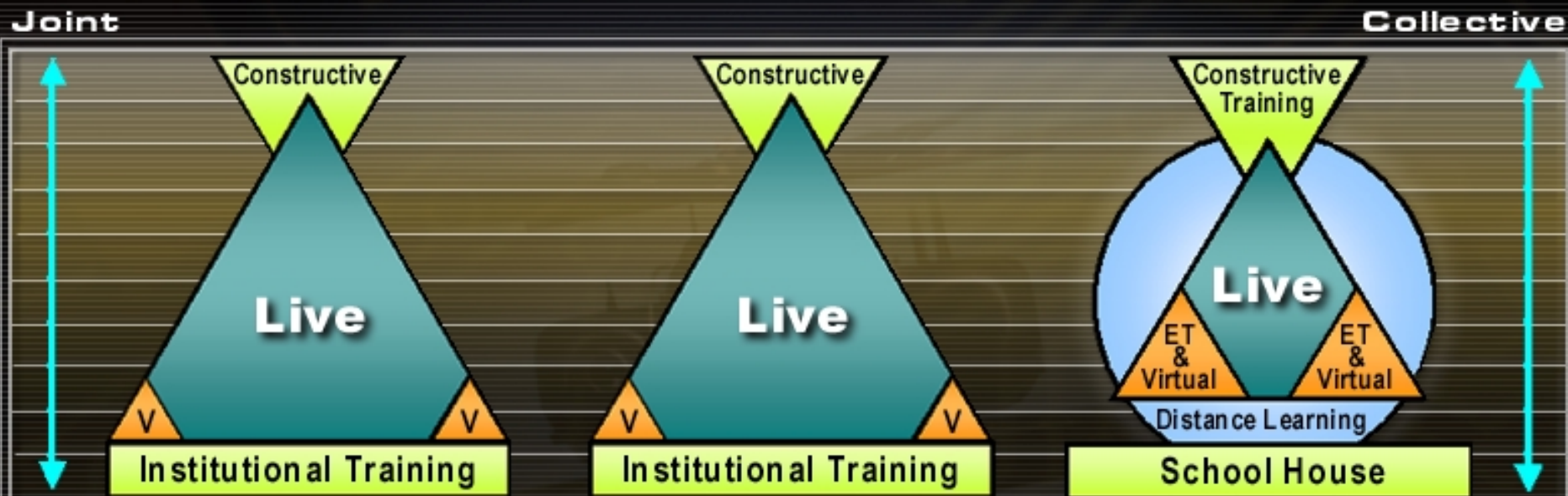
aUSA
2000

The logo features the word "aUSA" in a bright green, 3D-style font, positioned above the year "2000" which is in a large, silver, italicized font. The background of the slide shows a person in a flight suit, possibly a pilot, in a dynamic pose, suggesting flight or training.



THE 2ND TRAINING REVOLUTION

What is the right blend of training domains?



Section

Individual

Yesterday → **Today** → **Tomorrow**

- * Just in Case Training
- * Robust Deployments
- * Permissive OPTEMPO
- * Limited Virtual Simulators

- * Just in Time Training
- * Improved Virtual Simulators
- * OPTEMPO Constrained

- * On Demand Training
- * Constrained Live Environment
- * Reduced OPTEMPO Using
- * Embedded Training
- * Distance Learning Benefits



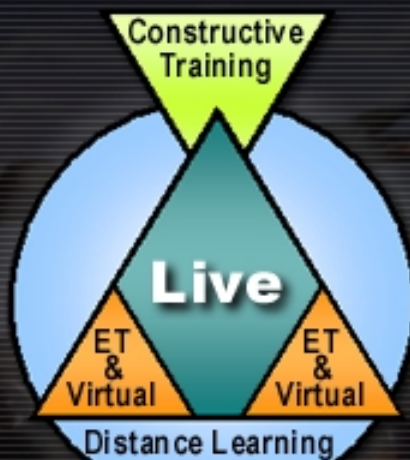
**OUR GOAL IS TO UTILIZE SIMULATION
TECHNOLOGY TO MAXIMIZE OUR TRAINING
READINESS**



C-17



777



School House



EXAMPLE...

**C-17 pilots fly their first flight "Live"
after qualification in the C-17 simulator**





AVIATION TRAINING

OLD



AH64

Stand Alone

UH60

OH 58

CH47

NEW



Reconfigurable

Common Terrain Data

Image Generators

Leverage AVCATT

Significantly
Less Logistics
Cost

Easy to Upgrade

Less Cost to Upgrade

Goal



**Achieve Collective,
Combined Arms
and Joint Training**



AVIATION TRAINING

**Achieve Aircraft
Concurrency**

Employ Common:

- ✓Image Generator
- ✓Database

**Achieve Local/
Longhaul
Networking**

**Achieve Collective
Combined Arms &
Joint Training**

CURRENT



IN DEVELOPMENT



**STAND
ALONES**

IMPROVED

- Mission Planning
- Mission Rehearsal
- Readiness



IMPACTS

- Reduced WCLS
- Easy to Upgrade
- Interoperable

Individual Training - Nov,99

19 Months - June, 07

Collective Training



MERGED REQUIREMENTS

FY99 FY00 FY01 FY02 FY03 FY04 FY05 FY06 FY07

MILES 2000 & TWGGS / PGS

OneTESS R & D

OneTESS

MILES II / SAWE / Lt PDDS / AGES

NTC OIS & CMTC LF / OIS

CTIA R & D

CTIA

FTI / HITS & MOUT OIS

JRTC & CMTC OIS

CCTT

SE Core

AVCATT

CATT

System TADSS

ModSAF

CCTT SAF

Janus, Spectrum & BBS

DBST

OneSAF

CBS & TACSIM

WARSIM / WIM

DCST & CSSTSS

Live

Virtual

Constructive



PROTOCOLS – INTEGRATION – LINKING – LEVERAGING – STANDARDS

**“... There are no systems that fight alone
on the modern battlefield, therefore, we must
train as we fight...”**

Joint Constructive Training Joint Simulations Systems (JSIMS)

**Air
Force**

Army

**Coast
Guard**

Marines

Navy

LIVE

VIRTUAL

CONSTRUCTIVE

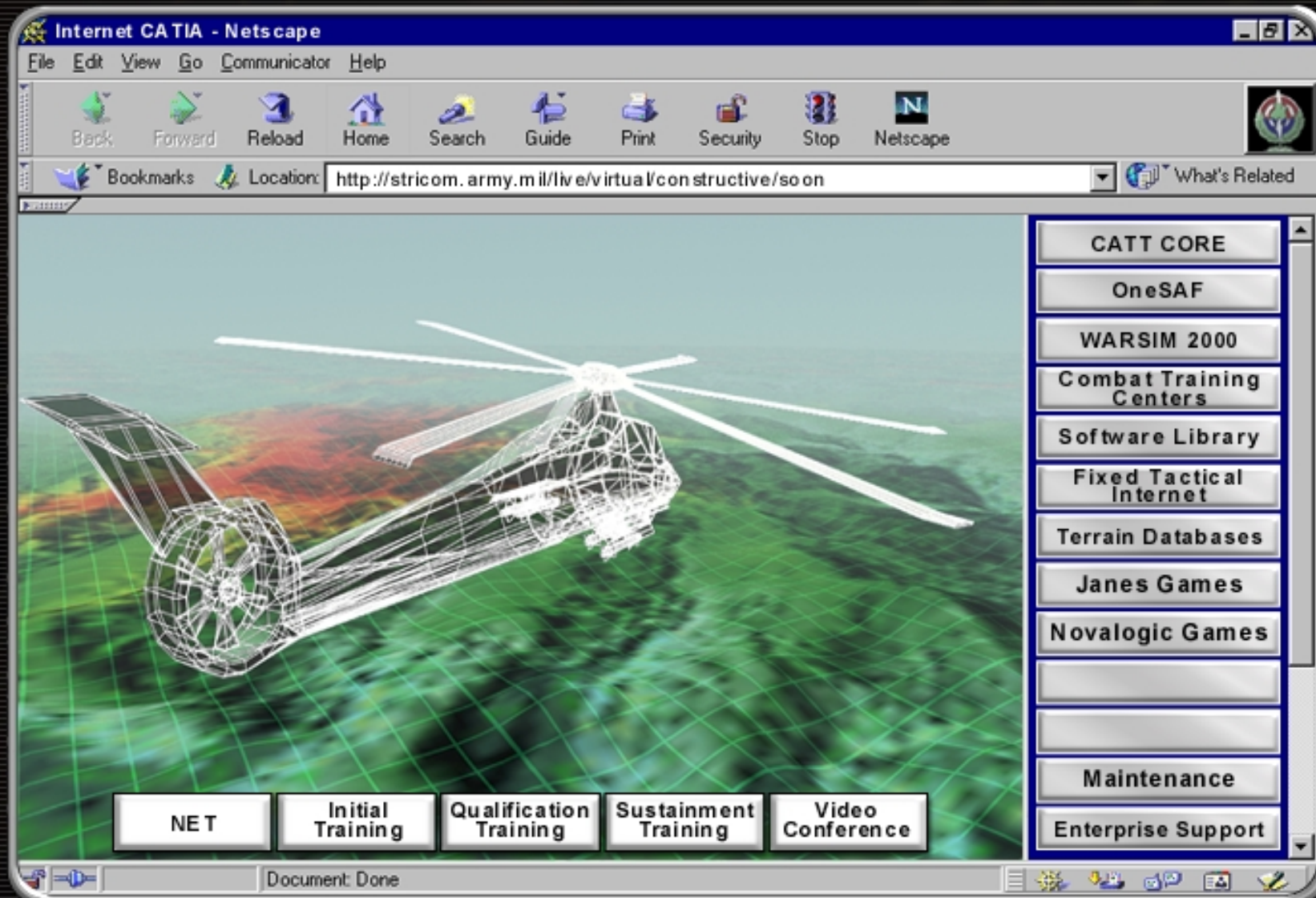
Collective Training	Equipping Assets for Live Training	Warfighting Experiments
Force on Force Training Centers	Computer Based Training	Simulation Based Acquisition
Individual - Crew Training	Networked Training	Digital Training Library
		Embedded Training

Logistics Enhancements in Real Time





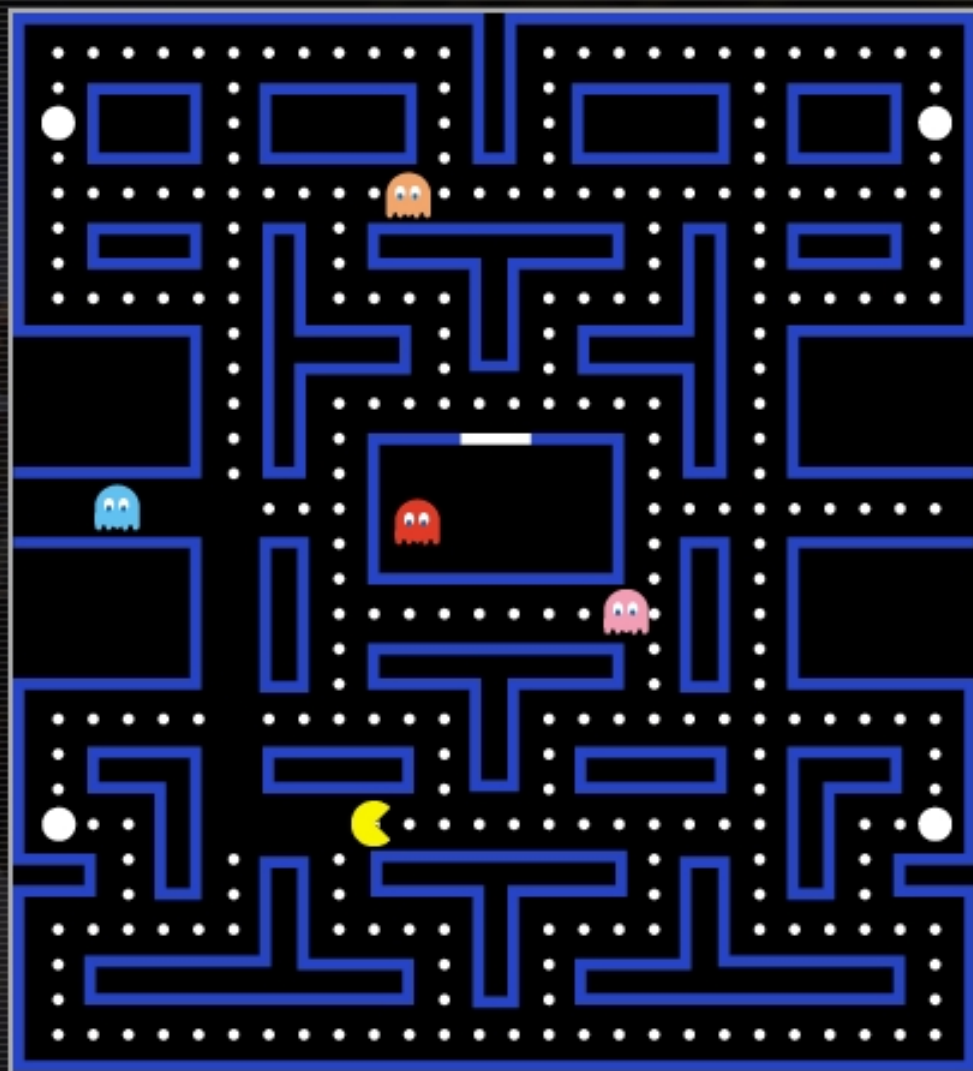
EVOLVING THE WAY WE TRAIN





***IT'S NOT PACMAN
ANymore***

PAC-MAN



Novalogic Video Here



SUMMARY

Reduce errors in the cockpit

Improve ability to deal with unexpected events

Improve communications

Improve situational awareness

Improve interaction among crew members

Create experienced decision makers



ACCIDENTS



READINESS

